

EPLON 66 GFR 30 BK

Polyamide 66

EPSAN Plastik SAN. ve TiC. A.S.

Message:

Polyamide 66, reinforced with 30% of glass fiber, heat stabilized, for injection moulding.
This product is available in black and in colours on request.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Appearance	Black		
	Available colors		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.33 - 1.37	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction: 3.00mm	0.70	%	ISO 294-4
Flow direction: 3.00mm	0.50	%	ISO 294-4
Moisture Content	0.20	%	ISO 15512
Ash Content	28 - 32	%	ISO 3451-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	84 - 88		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	7500 - 9000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	120 - 150	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0 - 4.0	%	ISO 527-2
Flexural Modulus (23°C)	6500 - 8000	MPa	ISO 178
Flexural Stress (23°C)	150 - 180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0 - 11	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	7.0 - 11	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	240 - 260	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
Additional Information			
TEST CONDITIONS: Laboratory conditions are 23 ±2°C and 45-55 % RH.			

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 - 4.0	hr
Processing (Melt) Temp	280	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

